

SequenceListing-279681US0PCT
SEQUENCE LISTING

<110> APPLIED RESEARCH SYSTEMS ARS HOLDING N.V.

<120> Beta-amyloid inhibitors and use thereof

<130> WO/850

<160> 11

<170> PatentIn version 3.1

<210> 1

<211> 7

<212> PRT

<213> synthetic construct

<220>

<221> MISC_FEATURE

<222> (1)..(1)

<223> X can be absent or is an acetyl group

<220>

<221> MISC_FEATURE

<222> (2)..(2)

<223> X is the following fragment [Lys X2 X3 Phe Gln]_m wherein X2 is selected from Ile and Leu and X3 is selected from Pro and Trp. m is an integer selected from 0 and 1.

<220>

<221> MISC_FEATURE

<222> (6)..(6)

<223> X is the following fragment [Lys X4 Pro Phe Gln]_n wherein X4 is selected from Ile and Leu. n is an integer selected from 1 and 2.

<220>

<221> MISC_FEATURE

<222> (7)..(7)

<223> X is a peptidic moiety of a length selected from 1, 2, 3, 4, 5, 6, 7 and 8 and containing at least one basic amino acid and which is amidated at the C-terminus

<400> 1

Xaa Xaa Arg Gln Ile Xaa Xaa
1 5

<210> 2

<211> 8

<212> PRT

<213> synthetic construct

<220>

<221> MISC_FEATURE

<222> (2)..(2)

<223> X is selected from Arg and Lys.

<220>

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<222> (3)..(3)

<223> X is selected from Arg and Lys.

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<220>
 <221> MISC_FEATURE
 <222> (5)..(5)
 <223> X is selected from Arg and Lys.

<220>
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 <222> (7)..(7)
 <223> X is selected from Arg and Lys.

<220>
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 <222> (8)..(8)
 <223> X is selected from amidated Arg and amidated Lys.

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Asn Xaa Xaa Met Xaa Trp Xaa Xaa
 1 5

<210> 3
 <211> 7
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 <222> (1)..(1)
 <223> X can be absent or is an acetyl group

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<220>
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 <222> (6)..(6)
 <223> X is the following fragment [Lys X4 X5 Phe Gln]_n wherein X4 is selected from Ile and Leu, X5 is selected from Pro and Trp. n is an integer selected from 1 and 2.

<220>
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 <222> (7)..(7)
 <223> X is a peptidic moiety of a length selected from 1, 2, 3, 4, 5, 6, 7 and 8 and containing at least one basic amino acid and which is amidated at the C-terminus.

<400> 3

Xaa Xaa Arg Gln Ile Xaa Xaa
 1 5

<210> 4
 <211> 16

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<212> PRT
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<220>
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<222> (16)..(16)
<223> X is amidated Lysine

<400> 4

Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Xaa
1 5 10 15

<210> 5
<211> 5
<212> PRT
<213> synthetic construct

<220>
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<223> X is Acetylated Leucine

<220>
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<222> (5)..(5)
<223> X is amidated aspartic acid

<400> 5

Xaa Pro Phe Phe Xaa
1 5

<210> 6
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<212> PRT
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<220>
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<222> (21)..(21)
<223> X is amidated Aspartic Acid

<400> 6

Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
1 5 10 15

Leu Pro Phe Phe Xaa
20

<210> 7
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<212> PRT
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<220>
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<223> X is acetylated Arginine.

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<220>
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 <222> (16)..(16)
 <223> X is amidated amide Lysine.

<400> 7

Xaa Gln Ile Lys Ile Pro Phe Gln Asn Arg Arg Met Lys Trp Lys Xaa
 1 5 10 15

<210> 8
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 <223> X is acetylated Arginine.

<220>
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 <222> (21)..(21)
 <223> X is amidated Lysine.

<400> 8

Xaa Gln Ile Lys Ile Pro Phe Gln Lys Ile Pro Phe Gln Asn Arg Arg
 1 5 10 15

Met Lys Trp Lys Xaa
 20

<210> 9
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 <223> X is acetylated Lysine.

<220>
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 <222> (21)..(21)
 <223> X is amidated Lysine.

<400> 9

Xaa Ile Trp Phe Gln Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg
 1 5 10 15

Met Lys Trp Lys Xaa
 20

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<210> 10
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 <213> synthetic construct

<220>
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 <222> (8)..(8)
 <223> X is amidated Lysine

<400> 10

Asn Arg Arg Met Lys Trp Lys Xaa
 1 5

<210> 11
 <211> 42
 <212> PRT
 <213> human

<400> 11

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
 1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
 20 25 30

Gly Leu Met Val Gly Gly Val Val Ile Ala
 35 40